

WHAT IS CLAIMED IS:

1. An antibody specifically binding at least one epitope of a heparanase protein.
2. The antibody of claim 1, wherein said heparanase protein is native.
3. The antibody of claim 1, wherein elicitation of the antibody is through *in vivo* or *in vitro* techniques, said antibody having been prepared by a process comprising the steps of:
 - (a) exposing cells capable of producing antibodies to said at least one epitope of said heparanase protein and thereby generating antibody producing cells;
 - (b) fusing said antibody producing cells with myeloma cells and thereby generating a plurality of hybridoma cells each producing monoclonal antibodies; and
 - (c) screening said plurality of monoclonal antibodies to identify a monoclonal antibody which specifically binds heparanase.
4. The antibody of claim 1, wherein the antibody is selected from the group consisting of a polyclonal antibody and a monoclonal antibody.
5. The antibody of claim 4, wherein said polyclonal antibody is selected from the group consisting of a crude polyclonal antibody and an affinity purified polyclonal antibody.

6. An antibody elicited by at least one epitope of a heparanase protein.

7. The antibody of claim 6, wherein said heparanase protein is recombinant.

8. The antibody of claim 6, wherein elicitation of the antibody is through *in vivo* or *in vitro* techniques, said antibody having been prepared by a process comprising the steps of:

- (a) exposing cells capable of producing antibodies to said at least one epitope of said heparanase protein and thereby generating antibody producing cells;
- (b) fusing said antibody producing cells with myeloma cells and thereby generating a plurality of hybridoma cells each producing monoclonal antibodies; and
- (c) screening said plurality of monoclonal antibodies to identify a monoclonal antibody which specifically binds heparanase.

9. The antibody of claim 6, wherein the antibody is selected from the group consisting of a polyclonal antibody and a monoclonal antibody.

10. The antibody of claim 9, wherein said polyclonal antibody is selected from the group consisting of a crude polyclonal antibody and an affinity purified polyclonal antibody.